## Listing of Claims

(currently amended) A method of attenuating exhaust noise from an
engine with a first group of active cylinders connected to a first exhaust manifold and a second
group of deactivatable cylinders connected to a second exhaust manifold, the method
comprising:

connecting the second exhaust manifold to the first exhaust manifold such that the otherwise unused volume of the second exhaust manifold acts as a resonator to attenuate sound from the first group of active cylinders when the second group of cylinders is deactivated.

- 2. (original) The method of claim 1, further comprising selecting the length of the second manifold to form a one-quarter wave tuner such that the length of the second manifold is approximately one-quarter (1/4) the wavelength of sound emanating from the first group of active cylinders.
- 3. (original) The method of claim 1, further comprising selectively adjusting the effective length of the second manifold by closing a valve positioned in the second manifold.
- 4. (original) The method of claim 1, further comprising connecting the first and second exhaust manifolds with a pipe, and providing a downstream valve in the second manifold between a tailpipe and the point at which the second manifold connects to said pipe.
- 5. (original) The method of claim 4, further comprising providing a crossover valve in the pipe to selectively connect the first and second manifolds.
- 6. (currently amended) A system for attenuating exhaust noise from an engine with a first group of active cylinders and a second group of deactivatable cylinders, the system comprising:
  - a first exhaust manifold connected to the first group of active cylinders; and

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a second exhaust manifold connected to the second group of deactivatable cylinders;

said second exhaust manifold being connected to the first exhaust manifold such that the <u>otherwise unused volume of the</u> second exhaust manifold acts as a resonator to attenuate sound from the first group of active cylinders when the second group of cylinders is deactivated.

- 7. (original) The system of claim 6, wherein the second manifold has a length which is approximately one-quarter (1/4) the wavelength of sound emanating from the first group of cylinders, thereby forming a one-quarter wave tuner.
- 8. (original) The system of claim 6, further comprising a valve positioned in the second manifold for selectively adjusting the effective attenuation length of the second manifold.
- 9. (original) The system of claim 6, further comprising a pipe connecting the first and second manifolds, and a downstream valve positioned in the second manifold between a tailpipe and the point at which the second manifold connects to the pipe.
- 10. (original) The system of claim 9, further comprising a crossover valve in the pipe to selectively connect the first and second manifolds.
- 11. (original) The system of claim 6, wherein the engine is a transversely oriented engine.
- 12. (original) The system of claim 6, wherein the engine is a longitudinally oriented engine.
- 13. (original) The system of claim 6, further comprising first and second tailpipes connected to the first and second manifolds, respectively.

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- 14. (currently amended) A system for attenuating exhaust noise from an engine with a first group of active cylinders and a second group of deactivatable cylinders, the system comprising:
  - a first exhaust manifold connected to the first group of active cylinders;
- a second exhaust manifold connected to the second group of deactivatable cylinders;

said second exhaust manifold being connected to the first exhaust manifold such that the <u>otherwise unused volume of the</u> second exhaust manifold acts a resonator to attenuate sound from the first group of active cylinders when the second group of cylinders is deactivated; and

- a valve positioned in the second manifold for selectively adjusting the effective length of the second manifold to provide an effective length which is approximately one-fourth the wavelength of sound emanating from the first group of cylinders, thereby forming a quarter-wave tuner.
- 15. (original) The system of claim 14, wherein said valve has a hole formed therein to form a Helmholtz resonator.